

- 1 Laser
- 2 collimated beam
- 3 focused beam
- 4 lens
- 5 material to be machined
- 6 vessel
- 7 optical window

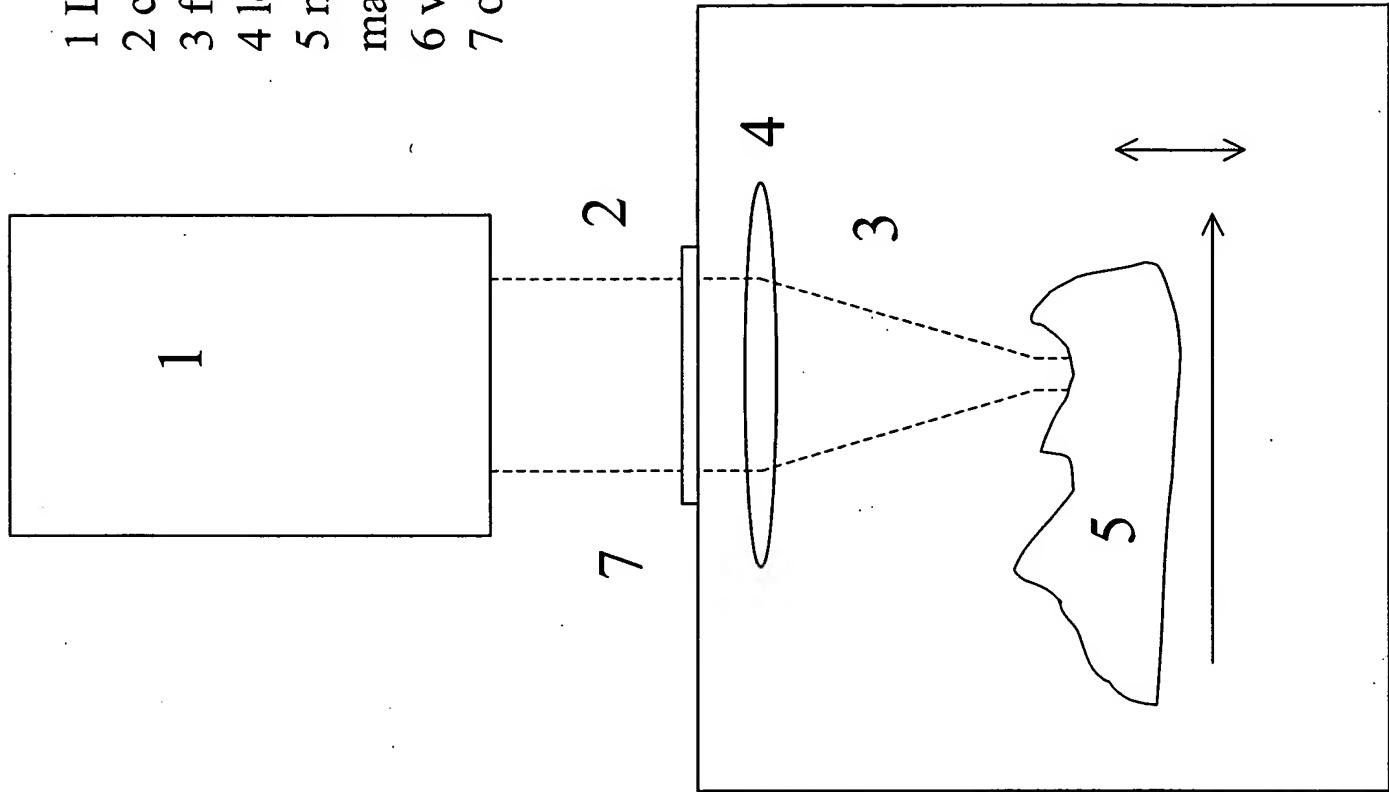


Fig 1

- 1 Laser
- 2 collimated beam
- 3 self-focusing beam
- 4 self-trapped beam
- 5 material to be machined
- 6 vessel containing nonlinear propagation material
- 7 optical window

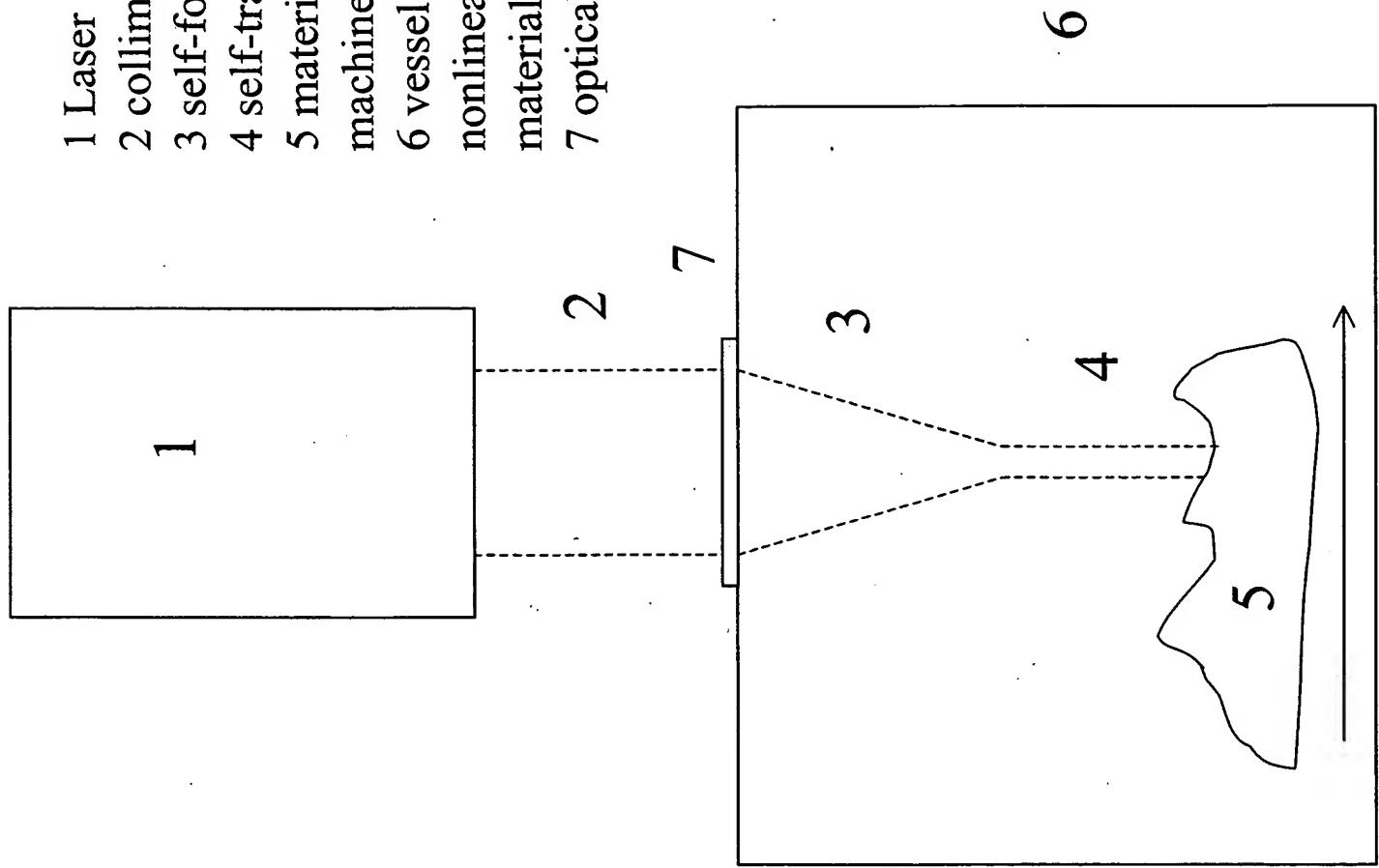


Fig 2

- 1 Laser
- 2 collimated beam
- 3 self-focusing beam
- 4 self-trapped beam
- 5 material to be machined
- 6 vessel containing nonlinear propagation material
- 7 optional lens

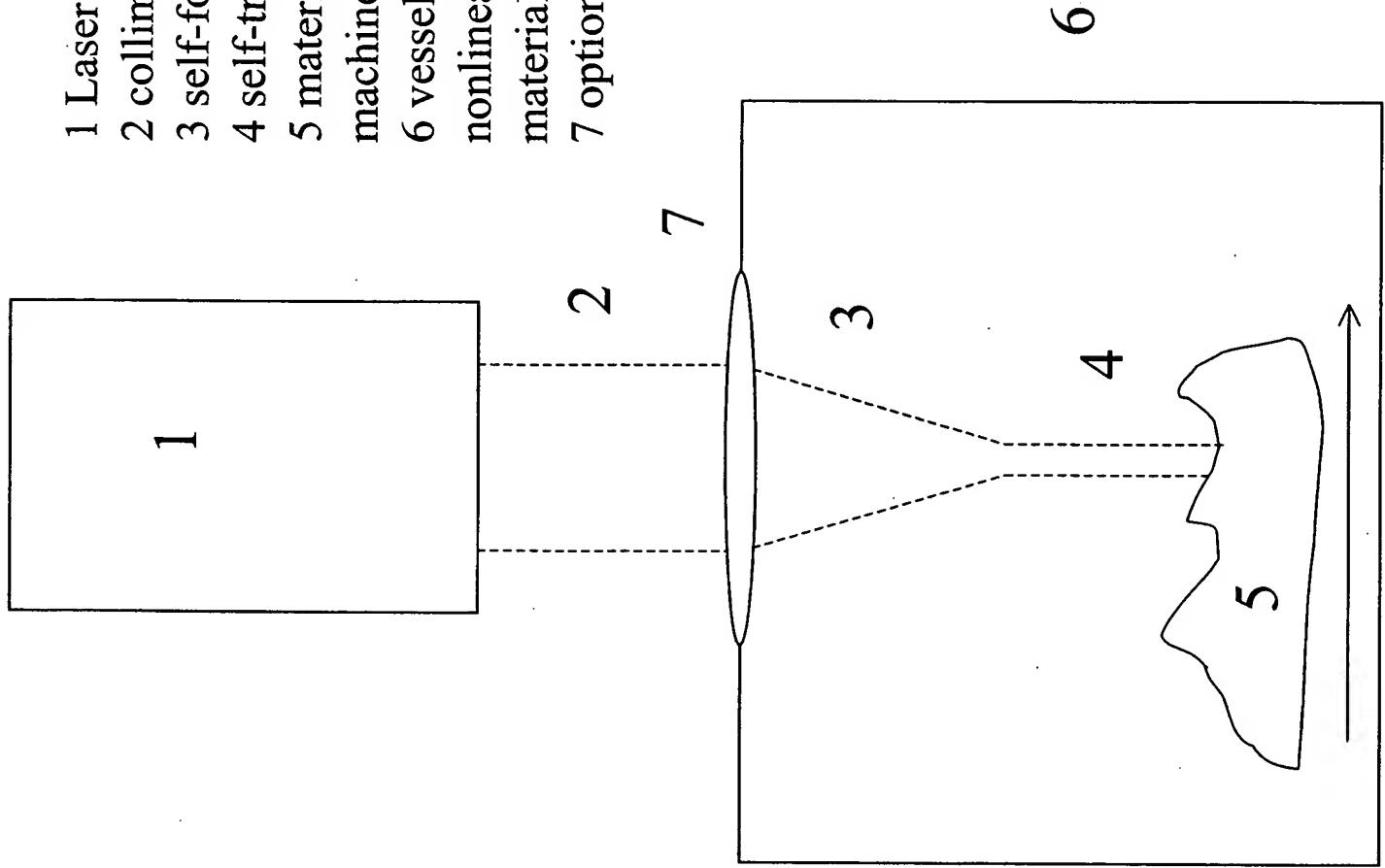


Fig 3

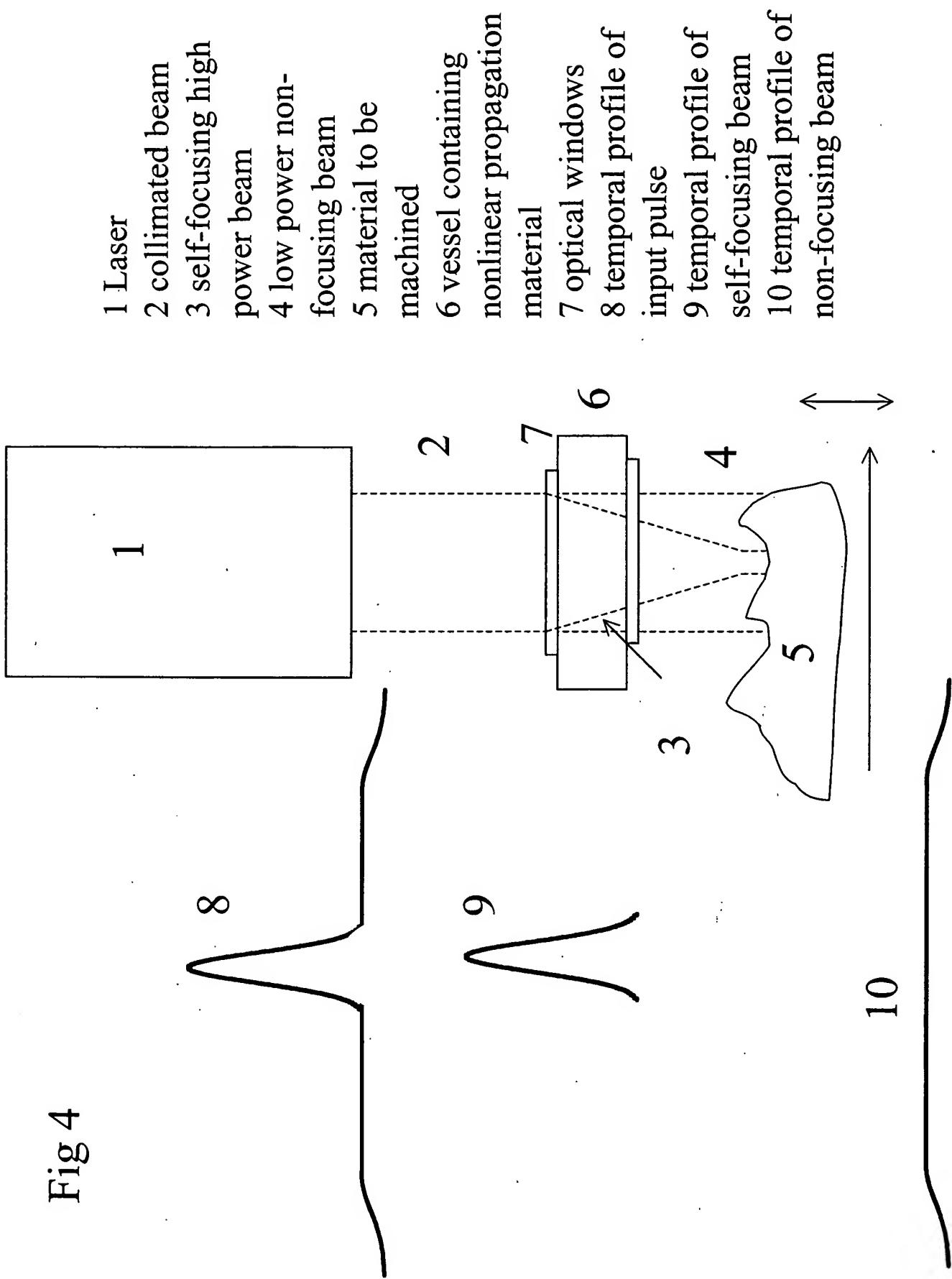


Fig 5

- 1 Laser
- 2 collimated beam
- 3 self-focusing beam
- 4 focusing beam
- 5 material to be machined
- 6 vessel containing nonlinear propagation material
- 7 optical windows
- 8 temporal profile of input pulse
- 9 beam diameter on material to be machined

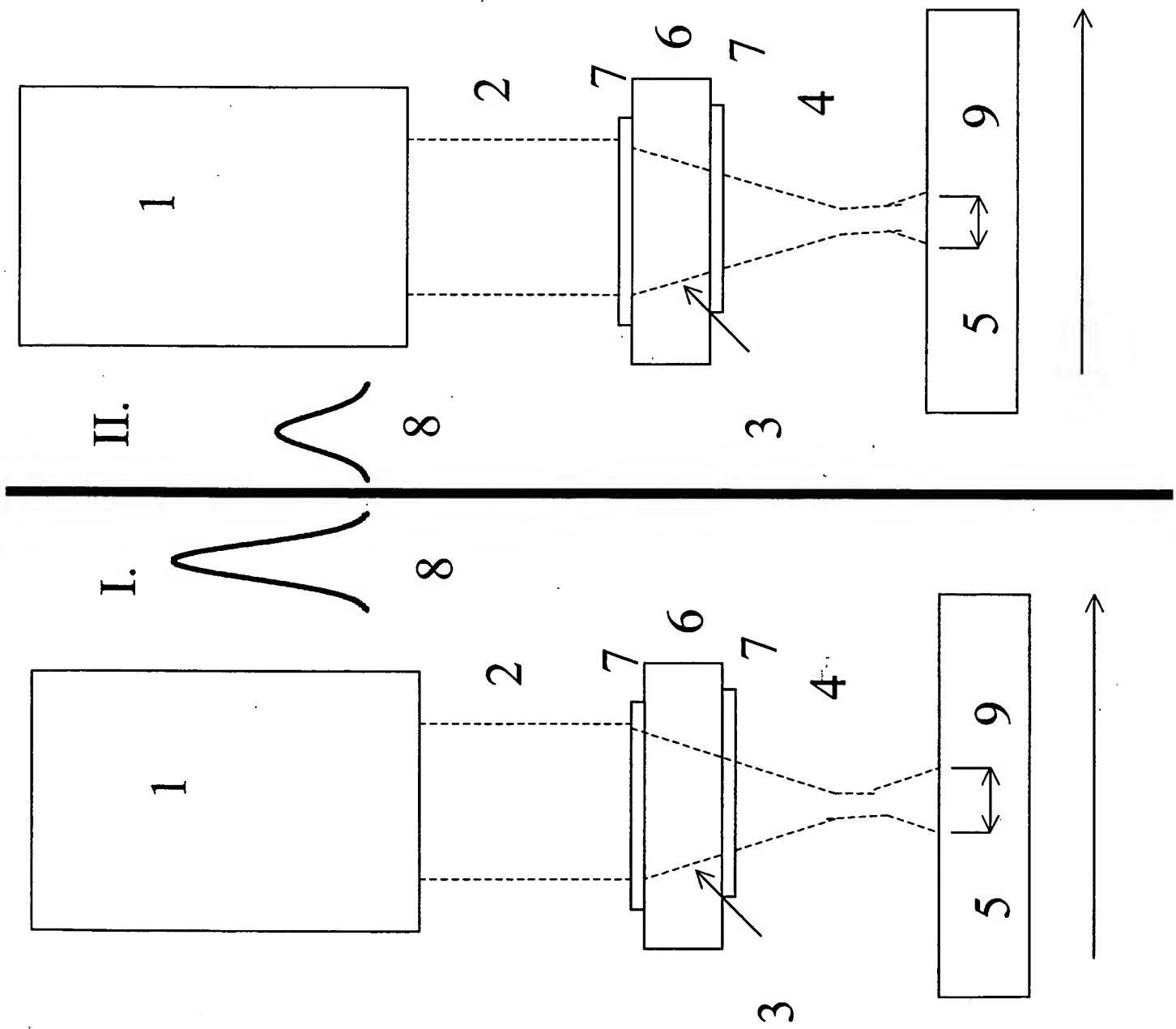


Fig 6

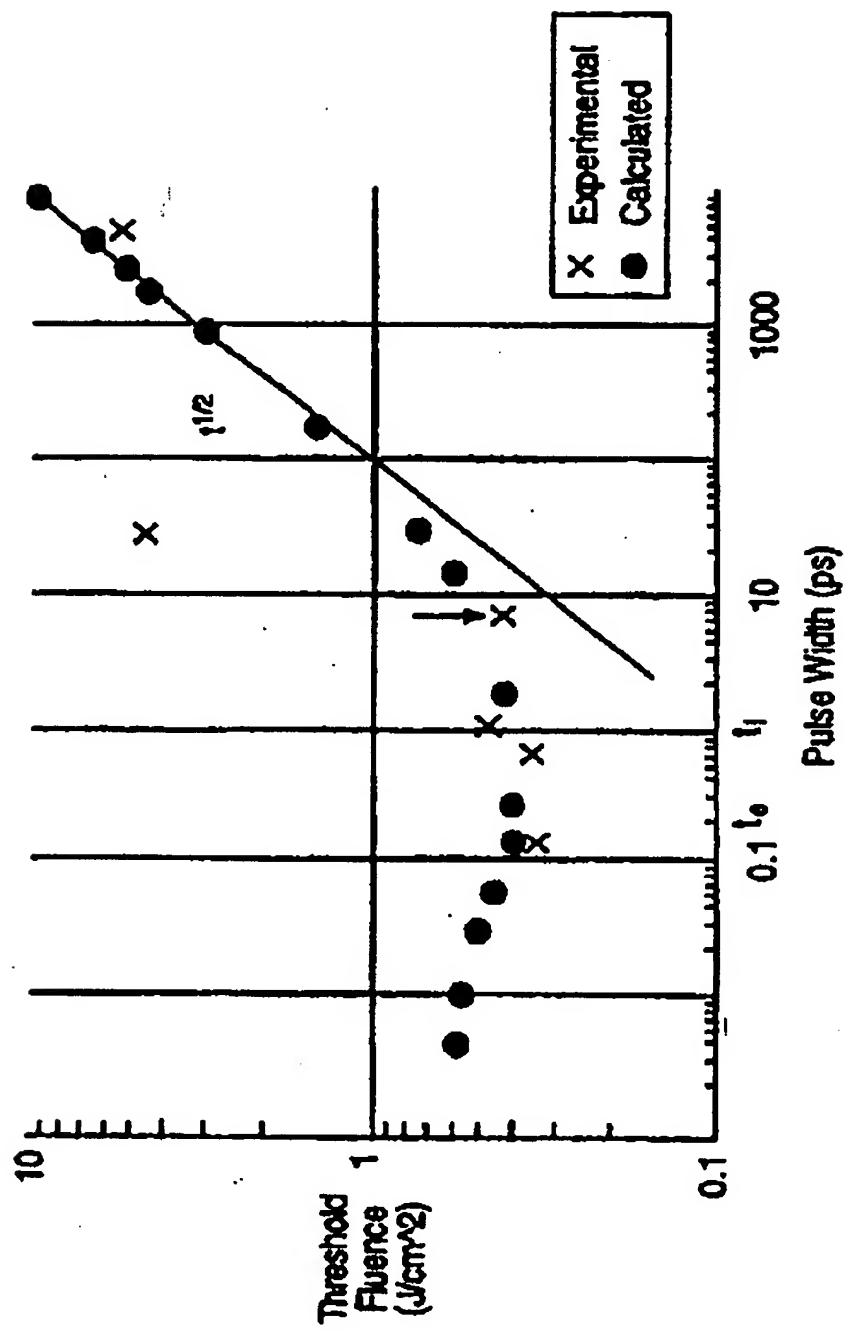


Fig 7

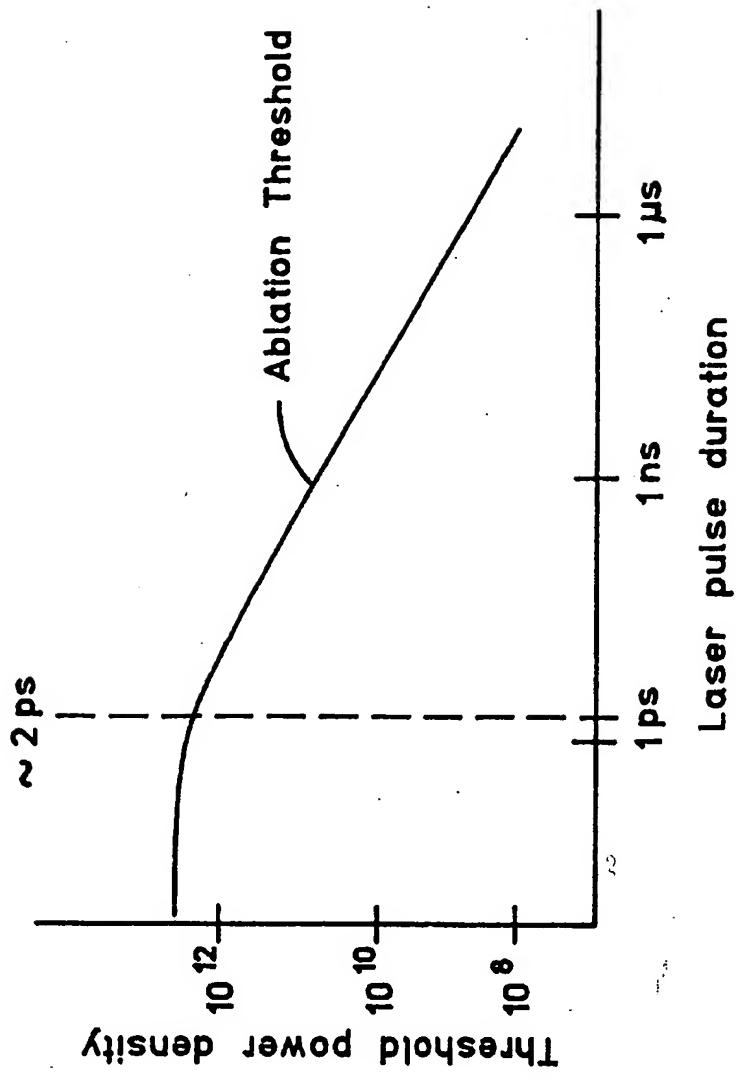


Fig 8

